

**Integrated
Advanced Microwave Sounding Unit-A (AMSU-A)
Monthly Report for July 2000**

Contract No: NAS5-32314
CDRL 529: (Including CDRL 004, 203, 204, and 503)

Submitted To:

**National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771**

Submitted By:

**Aerojet
1100 West Hollyvale Street
Azusa, California 91702**

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Section 1

INTRODUCTION

This is the 90th Monthly Report for the Advanced Microwave Sounding Unit-A (EOS/AMSU-A), Contract NAS5-32314, and covers the period from 01 July through 31 July 2000.

Included in this report are Combined Program Delivery Schedules and Reports (Section 2); a report from the Product Team Leaders on the status of all major program elements (Section 3); Contract Data Requirements List (CDRL) 503, the Weight and Power Budgets (Section 5); CDRL 204, reporting on the activities of Performance Assurance (Section 6); CDRL 203, the Configuration Management Status Report (Section 7); and the Documentation/Data Management Status Report (Section 8).

Section 2

The AMSU-A and Combined Program 90 Day Window Schedule is presented as Appendix A.

Section 3
STATUS REPORTS

Section 3.1

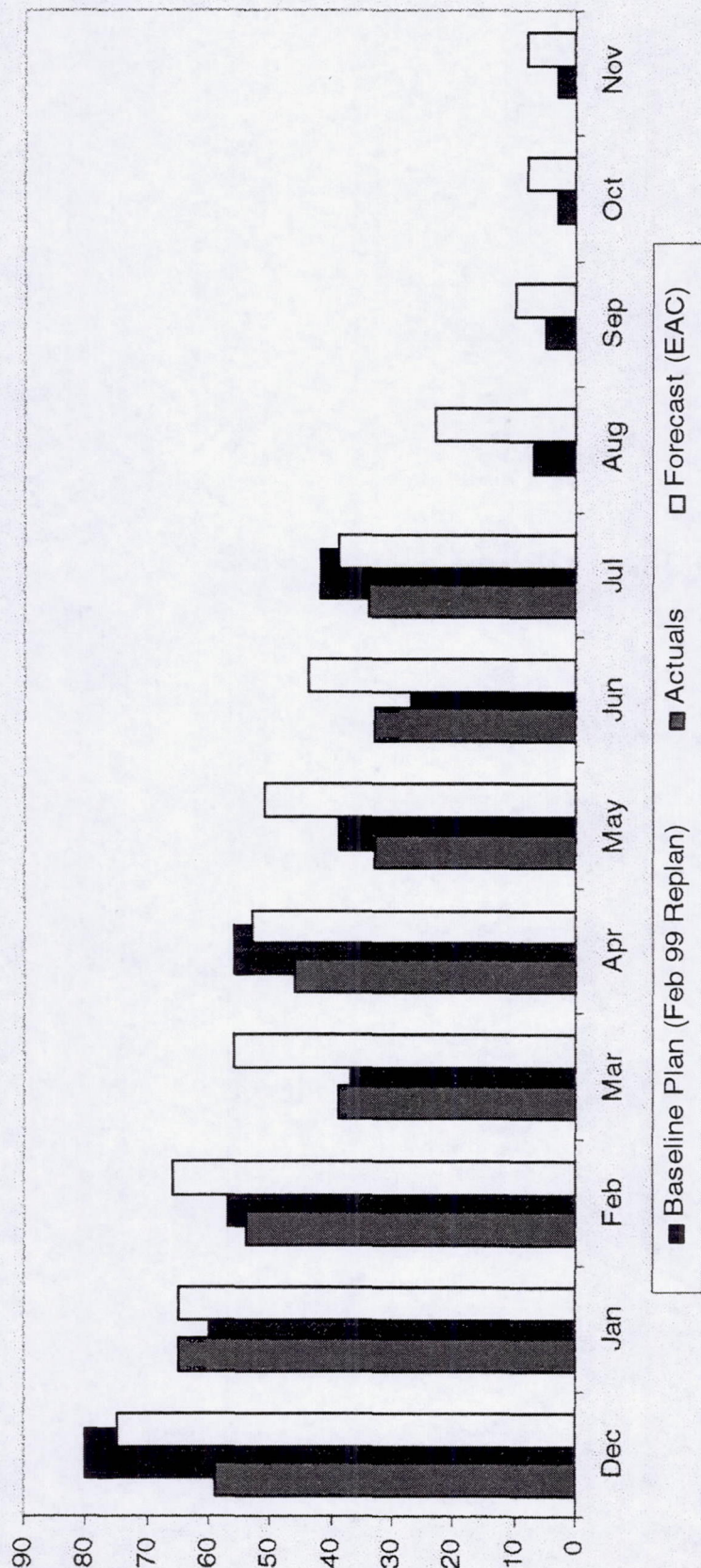
PROGRAM OVERVIEW

Program Status Summary

AMSU-A Staffing FY 00 Plan/Actuals/Forecast Chart

Remote
Sensing

AEROJET



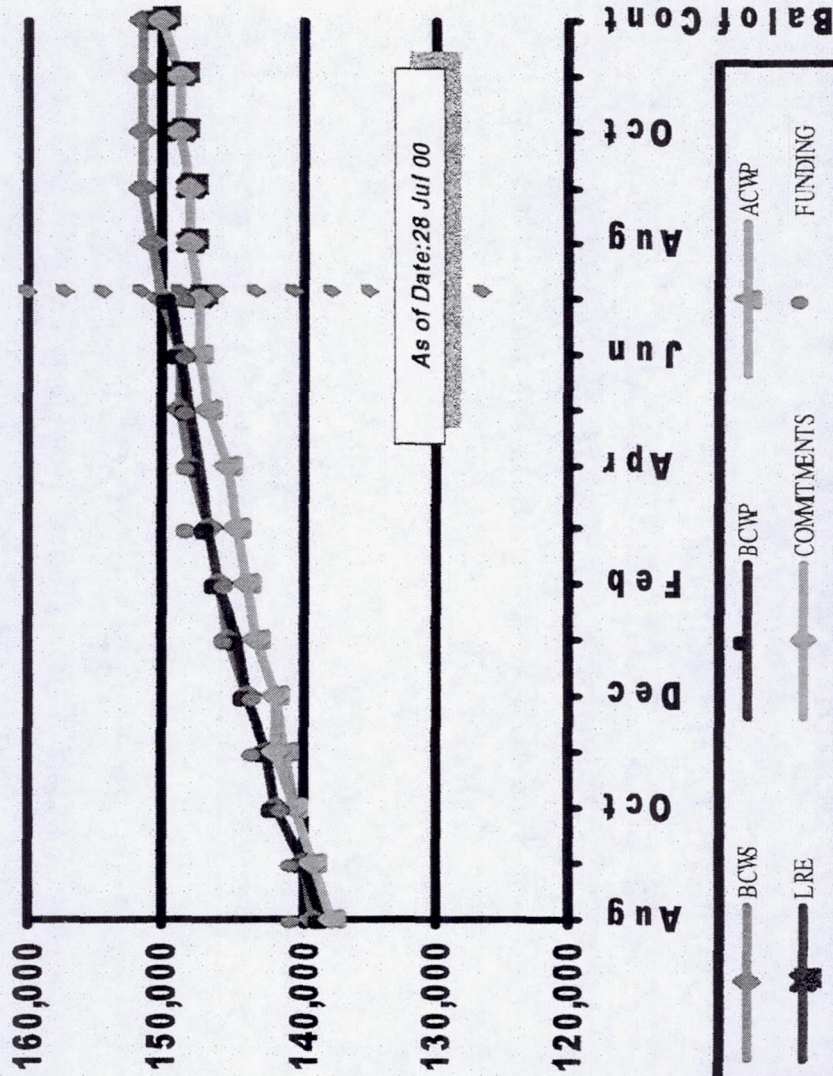
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Baseline Plan (Feb 99 Replan)	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Actuals	80	60	57	37	56	39	33	42	7	5	3	3
Forecast (EAC)	59	65	54	39	46	33	33	34	23	10	8	8

Integrated AMSU-A Funding Status (\$K)

Remote
Sensing

AEROJET



	PRIOR	CURRENT
Contract Type:	CPAF/CPIF	CPAF/CPIF
Contract Value:	\$152,411	\$152,411
Negotiated Cost:	\$149,701	\$149,701
Negotiated COM:	\$2,710	\$2,710
Negotiated Base Fee:	\$2,531	\$2,531
Negotiated Fee %:	1.7%	1.7%
	7,173	7,173
*Authorized, Not Negotiated:		
EAC (Inc. COM):	\$157,062	\$157,140
Estimated Fee (Inc. COM):	\$5,284	\$5,284
Percent Complete:(Production)	99%	99%
Authorized, Not Neg Fee: (including COM)	\$1,093	\$1,093
PTA:	N/A	N/A
Celling:	N/A	N/A
Management Reserve (BAC):	\$742	\$760
Management Reserve (EAC):	\$0	\$0
Undistributed Budget (BAC):	\$8,285	\$8,285
Undistributed Budget (EAC):	\$8,285	\$8,285
Capital Expenditures:	\$4,100	\$4,100

*Note: Contains planning package for METOPS Support Effort (authorized, undefinitized C9560-20-01Q)

	Budget BCWS	Earnings BCWP	Actuals ACWP	Schedule Variance	Cost Variance	Budget At Completion	Estimate At Completion	Variance At Completion
June	\$149,108	\$148,902	\$147,096	(\$206)	\$1,806	\$159,584	\$157,062	\$2,522
July	\$149,873	\$149,678	\$147,500	(\$195)	\$2,178	\$159,584	\$157,140	\$2,444

* METOP Support @ \$7173K

Award Fee/Customer Delight Requirements/Criteria for Current Period

AEROJET

- Current Period 1 Jan 00 - 30 Jun 00 (Want to Extend to Production Completion - ECD August 00)
- Current Milestones
 - Events: 3 for the Period
 - All Relate to Spare Hardware
 - Issues with Completions Due to Priorities, -8 Only Open Issue Currently
- Critical Items
 - METSAT 4 A1 and A2 Complete
 - METSAT 5 A2 Complete, A1 In T/V
- Technical/Schedule/Cost
 - No Open Technical Issues
 - Cost Variance Positive
 - Schedule Variance Positive

AMSU-A Master Build Schedule

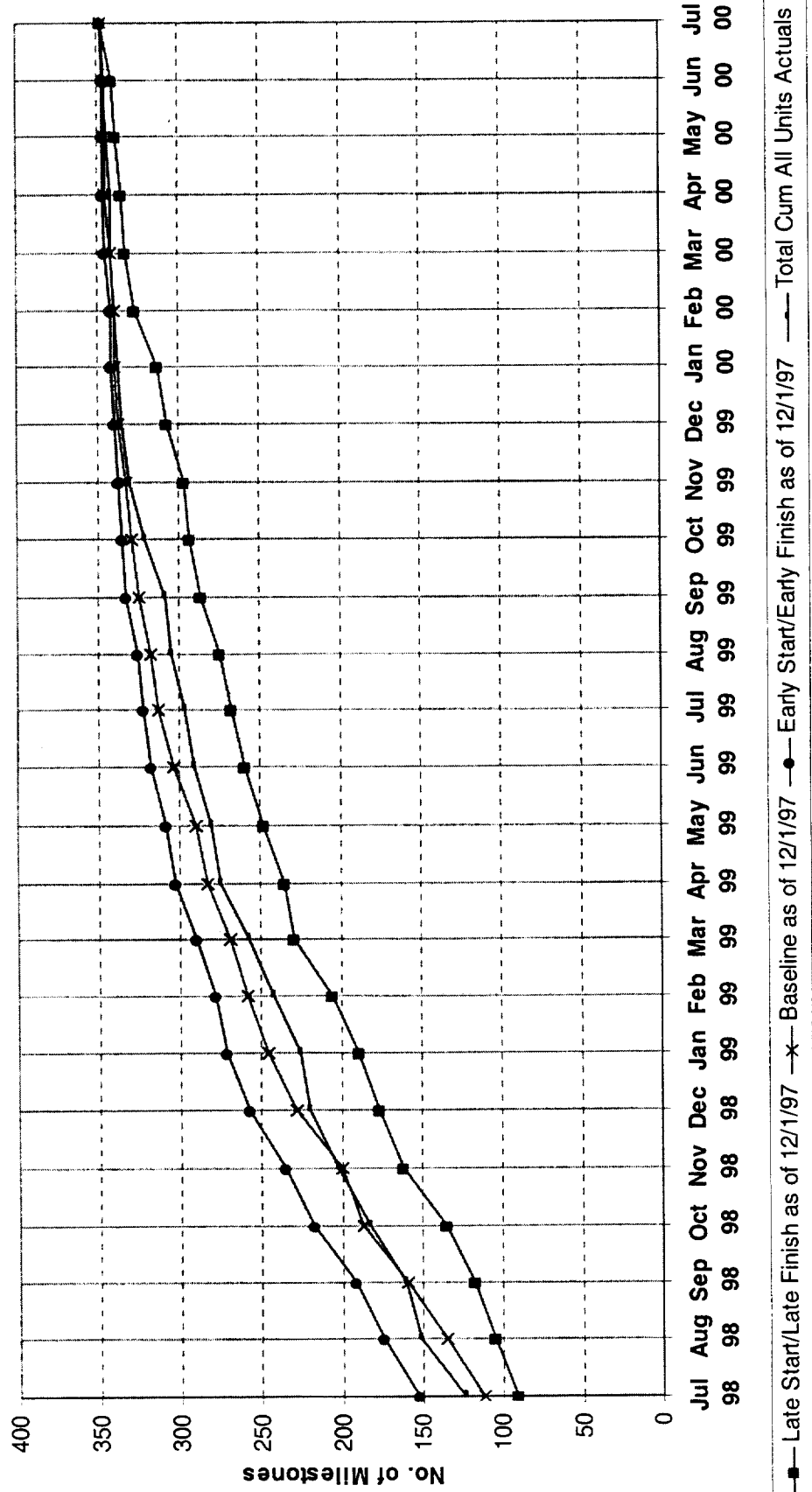
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INTEGRATED AMSU-A

NASA MILESTONE COMPLETIONS

NASA MILESTONES

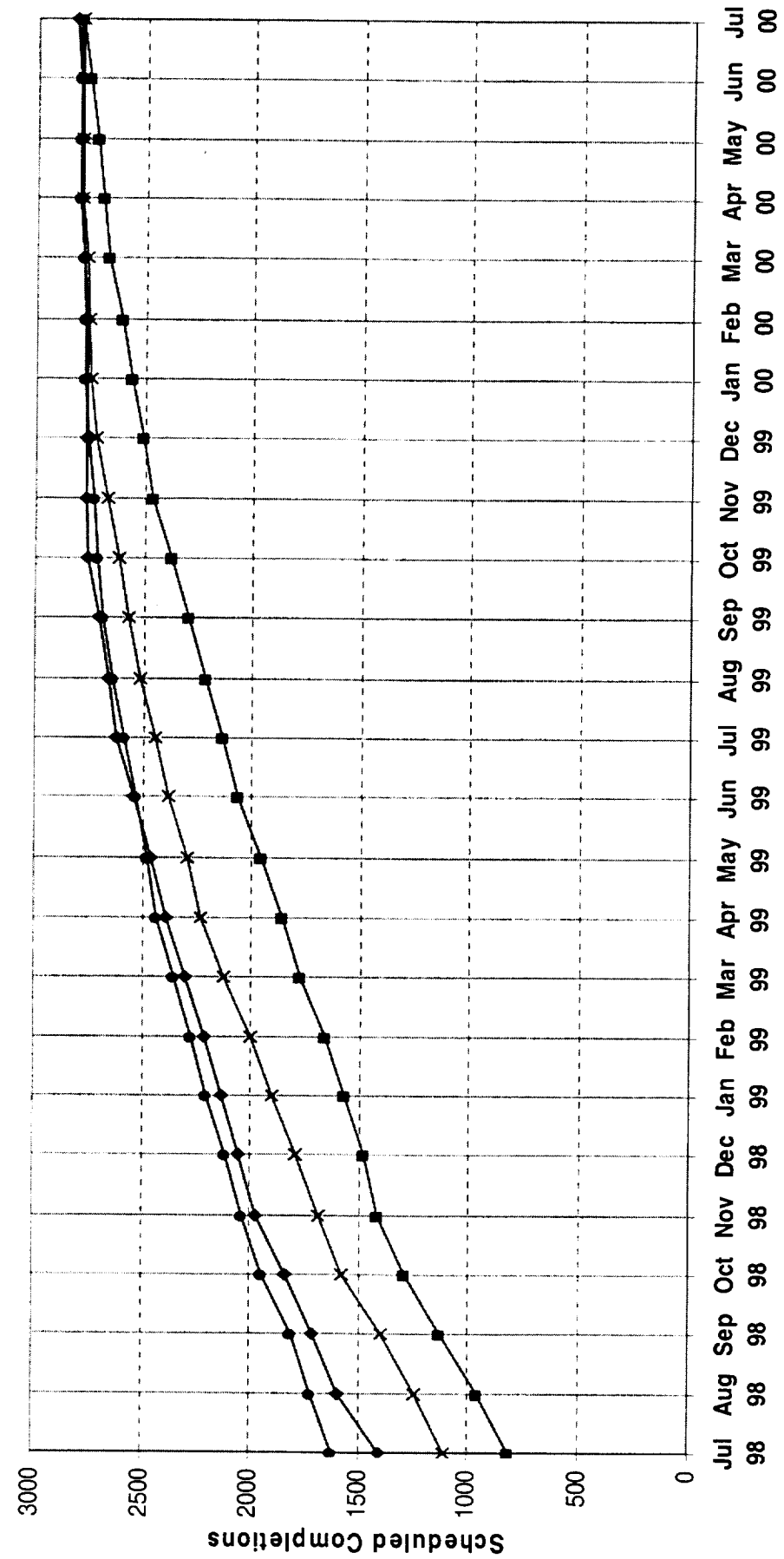
As of: 7/28/00



INTEGRATED AMSU-A SCHEDULE COMPLETIONS

AMSU-A SCHEDULED COMPLETIONS

As of 7/28/00



—■— Late Start/Late Finish as of 12/1/97 —x— Baseline as of 12/1/97 —●— Early Start/Early Finish as of 12/1/97 —◆— Total Cum All Units Actuals

3.1.1 Program Review Status

Remaining instrument, 109 A1, completed calibration and is ready for its Pre Ship Review scheduled for 8/15/00.

3.1.2 Program Priority List for the Month of July

1. Support TRW, Lockheed-Martin and Europeans on spacecraft integration tasks.
2. Complete checkout of spare components. Visited Filtronics, and spares are now being worked. Only open item is performance of -8.
3. Maintain/retest hardware located at Aerojet as required.

3.1.3 Integrated AMSU-A Action Items

**INTEGRATED AMSU-A
NASA ACTION ITEMS**

LINE	A1#	SOURCE	STATUS	ACTION ITEM	LEAD	ORIGINAL		CURRENT	
						DUE	DATE	DUE	DATE
1	01/25/00	Qtrly		Post Production Activity warrants a follow-up meeting. The following actions need to be completed to prepare for a meeting.					
				H. Develop major rework scenarios. Include setback schedule and resources required.		C/P/A	May-00		Jul-00

INTEGRATED AMSU-A NASA ACTION ITEMS

LINE	A1#	SOURCE	STATUS	ACTION ITEM	LEAD	ORIGINAL DUE DATE	CURRENT DUE DATE
1	01/25/00	Qtrly		Post Production Activity warrants a follow-up meeting. The following actions need to be completed to prepare for a meeting.			
				H. Develop major rework scenarios. Include setback schedule and resources required.	C/P/A	May-00	Jul-00

**INTEGRATED AMSU-A
NASA ACTION ITEMS**

LINE	A1#	SOURCE	STATUS	ACTION ITEM	LEAD	ORIGINAL		CURRENT	
						DUE	DATE	DUE	DATE
1	01/25/00	Qtrly		Post Production Activity warrants a follow-up meeting. The following actions need to be completed to prepare for a meeting.					
				H. Develop major rework scenarios. Include setback schedule and resources required.		C/P/A	May-00		Jul-00

INTEGRATED AMSU-A NASA ACTION ITEMS

LINE	AI#	SOURCE	STATUS	ACTION ITEM	LEAD	ORIGINAL		CURRENT	
						DUE	DATE	DUE	DATE
1	01/25/00	Qtrly		Post Production Activity warrants a follow-up meeting. The following actions need to be completed to prepare for a meeting.					
				H. Develop major rework scenarios. Include setback schedule and resources required.		C/P/A	May-00		Jul-00

3.2 Weekly Reports

3.2.1 Spare/Task Assignment **Following are the Spare/Task Assignment Weekly Reports.**

AMSU-A SPARE/TASK ASSIGNMENT REPORT

WEEK ENDING 5 July 2000

Accomplishments Last Week:

1. Major Spare Sub-assembly Verification Status

Channel	Status	ECD
5 DRO	In Acceptance retest at Filtronics.	14 Jul
8 DRO	Unit returned to Filtronics for troubleshooting and rework.	28 Jul
7 DRO	Unit returned to Filtronics for troubleshooting and rework.	28 Jul

AMSU-A SPARE/TASK ASSIGNMENT REPORT

WEEK ENDING 12 July 2000

Accomplishments Last Week:

1. Major Spare Sub-assembly Verification Status

Channel	Status	ECD
5 DRO	In Acceptance retest at Filtronics.	14 Jul
8 DRO	Unit returned to Filtronics for troubleshooting and rework.	28 Jul
7 DRO	Unit returned to Filtronics for troubleshooting and rework.	28 Jul

AMSU-A SPARE/TASK ASSIGNMENT REPORT

WEEK ENDING 19 July 2000

Accomplishments Last Week:

1. Major Spare Sub-assembly Verification Status

Channel	Status	ECD
5 DRO	In Acceptance retest at Filtronics.	28 Jul
8 DRO	Unit returned to Filtronics for troubleshooting and rework. Awaiting rework plan from Filtronics.	TBD
7 DRO	Unit returned to Filtronics for troubleshooting and rework. Awaiting rework plan from Filtronics	TBD

AMSU-A SPARE/TASK ASSIGNMENT REPORT

WEEK ENDING 26 July 2000

Accomplishments Last Week:

1. Major Spare Sub-assembly Verification Status

Channel	Status	ECD
5 DRO	In Acceptance retest at Filtronics.	11 Aug
8 DRO	Unit returned to Filtronics for troubleshooting and rework. Awaiting rework plan from Filtronics.	31 Aug
7 DRO	Unit returned to Filtronics for troubleshooting and rework. Awaiting rework plan from Filtronics	31 Aug

3.2.2 System Engineering Integration and Test (SEIT) Subsystem
Following are the SEIT Subsystem Weekly Reports.

**AMSU-A SYSTEM ENGINEERING INTEGRATION AND
TEST (SEIT) TEAM WEEKLY REPORT
FOR WEEK ENDING 5 July 2000**

1. Units In Storage at Aerojet

- AMSU-A1 (S/N 106) – Retest Due Jan '01
- AMSU-A2 (S/N 107) - Retest Due Jan '01
- AMSU-A2 (S/N 106) – Retest Due Jul '00
- AMSU-A1 (S/N 108) – Retest Due Dec '00
- AMSU-A2 (S/N 108) – Retest Due Dec '00

2. AMSU-A1 (S/N 109)

- Calibration completed at –2C and 18C plateau. Currently at 38C plateau.
- ECD for calibration is 17 July.

3. Spacecraft Interface Support

- EOS/TRW – Continue to support daily integration activities as required.
- METSAT/LMMS - No significant activity
- METOP – Bob Platt and Rich Haigh have returned from Dornier. Prabodh Patel replaced them for spacecraft integration support, on 1 July.

**AMSU-A SYSTEM ENGINEERING INTEGRATION AND
TEST (SEIT) TEAM WEEKLY REPORT
FOR WEEK ENDING 12 July 2000**

1. Units In Storage at Aerojet

- AMSU-A1 (S/N 106) – Retest Due Jan '01
- AMSU-A2 (S/N 107) - Retest Due Jan '01
- AMSU-A2 (S/N 106) – Retest Due Jul '00
- AMSU-A1 (S/N 108) – Retest Due Dec '00
- AMSU-A2 (S/N 108) – Retest Due Dec '00

2. AMSU-A1 (S/N 109)

- Calibration completed at 38C plateau.
- Data review underway. Expect to remove unit from chamber 14 July.
- Weight and CG measurements planned for 14 July and Final CPT for 15-18 July.

3. Spacecraft Interface Support

- **EOS/TRW** – Continue to support daily integration activities as required.
- **METSAT/LMMS** - Provided on site support at Vandenberg AFB to investigate reported repeat of the previously analyzed PLO lock detect anomaly.
- **METOP** – Prabodh Patel returned from spacecraft integration support at Dornier, and Jack Linn replaced him for on site support. R. Schwantje is providing software support.

**AMSU-A SYSTEM ENGINEERING INTEGRATION AND
TEST (SEIT) TEAM WEEKLY REPORT
FOR WEEK ENDING 19 July 2000**

1. Units In Storage at Aerojet

- AMSU-A1 (S/N 106) – Retest Due Jan '01
- AMSU-A2 (S/N 107) - Retest Due Jan '01
- AMSU-A2 (S/N 106) – Retest started 19 Jul. Next retest due Apr '01
- AMSU-A1 (S/N 108) – Retest Due Dec '00
- AMSU-A2 (S/N 108) – Retest Due Dec '00

2. AMSU-A1 (S/N 109)

- Unit removed from chamber 13 July.
- Weight and CG measurements completed 14 July.
- Final CPT completed 19 July.
- Unit in final feet adjust and cleaning. Plan to install instrument into shipping container 21 July.
- PSR data prep underway.
- PSR tentatively planned for 15 Aug.

3. Spacecraft Interface Support

- **EOS/TRW** – Continue to support daily integration activities as required. Supported successful SCIF test with Goddard flight operations team. Support weekly Hardware CPT telecons with TRW and NASA.
- **METSAT/LMMS** - Continue to provide on-site support at Vandenberg AFB to investigate PLO lock detect anomaly on NOAA-L.
- **METOP** – J. Linn and R. Schwantje returned from Dornier having completed initial AMSU-A METOP spacecraft integration support activities.

**AMSU-A SYSTEM ENGINEERING INTEGRATION AND
TEST (SEIT) TEAM WEEKLY REPORT
FOR WEEK ENDING 26 July 2000**

1. Units In Storage at Aerojet

- AMSU-A1 (S/N 106) – Retest Due Jan '01
- AMSU-A2 (S/N 107) - Retest Due Jan '01
- AMSU-A2 (S/N 106) – Retest completed 26 Jul. Next retest due Apr '01
- AMSU-A1 (S/N 108) – Retest Due Dec '00
- AMSU-A2 (S/N 108) – Retest Due Dec '00

2. AMSU-A1 (S/N 109)

- Unit final feet adjustment completed.
- Final inspection noted damaged reflector cover attachment insert. No effect on flight configuration. Insert was bonded to prevent possibility of loose debris and unit was dispositioned by FRB as use as is.
- Unit final cleaning completed.
- Instrument installed into shipping container 25 July.
- PSR data prep underway.
- PSR tentatively planned for 15 Aug.

3. Spacecraft Interface Support

- **EOS/TRW** – Continue to support daily integration activities as required. Support weekly Hardware CPT telecons with TRW and NASA.
- **METSAT/LMMS** - Continue to provide on-site support at Vandenberg AFB to investigate PLO lock detect anomaly on NOAA-L.
- **METOP** – No significant activity.

5.0 Weight and Power Budgets (CDRL 503)

AMSU-A WEIGHT

	AMSU-A1 (lbs.)		AMSU-A2 (lbs.)	
	METSAT	EOS	METSAT	EOS
ESTIMATED TOTAL	121.5	112.1	108.9	95.4
SPECIFICATION (MAX.)	123	131	110	110
MEASURED	119 (S/N 105)	109	109.5 (S/N 105)	93

AMSU-A POWER

AMSU-A1 (WATTS)										AMSU-A2 (WATTS)									
METSAT					EOS					METSAT					EOS				
Main Load Bus		Pulse Load Bus		Quiet Bus		Nolisy Bus		Main Load Bus		Pulse Load Bus		Quiet Bus		Nolisy Bus		Main Load Bus		Pulse Load Bus	
		Nom	Max	Nom	Max	Nom	Max	Nom	Max	Nom	Max	Nom	Max	Nom	Max	Nom	Max	Nom	Max
63.8	82.0	2.9	6.0	67.9	88.0	3.6	6.0	16.3	25.0	6.4	12.0	18.9	25.0	3.6	6.0				
82.0	88.0	6.0						25.0		12.0									
Specification (Max)					94.0					37.0					31.0				
Measured Total					66.7 (S/N 105)					22.7 (S/N 105)					22.5				

Section 6

PERFORMANCE ASSURANCE (CDRL 204)

This section consists of a compilation of the Weekly Reports from Quality Assurance.

6.1 Quality Assurance - Following are the Quality Assurance Weekly Reports.

AMSU-A PERFORMANCE ASSURANCE WEEKLY REPORT FOR WEEK ENDING 5 July 2000

Accomplishments Last Week

1. Moving towards completion of A-109 T/V Testing. Working with team to complete items relevant to the PSR and DD250 processing.
2. F/AR 212A, Mixer-Amplifier, P/N 1331562-18, S/N 7A38

This F/AR had been reopened to include reference to a subsequent failure (F/AR 228) of the same unit. Revision A of the F/AR has now been completed and submitted to NASA.

3. F/AR 225, DRO, Channel 8, P/N 1336610-8, S/N 85074

The DRO was sent to Filtronic for troubleshooting/rework.

4. F/AR 228, Mixer-Amplifier, P/N 1331562-18, S/N 7A38

The Mixer passed post-rework retest. The F/AR has been completed and submitted to NASA.

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A1						
Machine Subassy	↓	↓	↓		↓	↓
Antenna Subassy						
System Integration						
PER						↓
Completed Env. Test & Calibraton Tasks						EMI Vibration Temp. Cycle Momentum
Scheduled Env. Test & Calibraton Tasks						Thermal VAC Calibration
Final CPT						
PSR		↓	↓	↓	↓	
Shipping Configuration	↓	Shipped	Storage	Storage	Storage	
Storage Test			Completed			

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A2						
Machine Subassy						
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						
Scheduled Env. Test & Calibraton Tasks						
Final CPT						
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	Storage
Storage Test				Completed 10 May		

SUPPLIER SPARE KIT STATUS

SUPPLIER	DESCRIPTION	SPARE PART KIT IDENTIFIER	P.O. NUMBER	DUE DATE	TRACE ID
Filtronic Solid State	VCGDO & Stable Oscillator Spare Part Kit	1348351-1-SPKIT 1336610-XX-SPKIT	A83000	TBD	Kit at Supplier until completion of DRO 7 & 8 rework
Spacek, Inc.	Mixer Amplifier Spare Part Kit	1331562-XX-SPKIT	P58101	Received	L00051634
Amplica	IF Amplifier Spare Part Kit	1331579-SPKIT	P85128	Received	L00052350
FEI	DC/DC Converter Spare Part Kit	1356010-1-SPKIT	P85129	Received	L00054587
Phonon Corp.	Saw Filter Spare Part Kit	1331576-X-SPKIT	P82998	Received	
AXSYS	Motor Spare Part Kit	1331392-1-SPKIT 1336481-1-SPKIT	P85116	Received	
Millitech	Gunn Diode Spare Part Kit	1336610-10-SPKIT	A00892	Received	L0052079

AMSU-A PERFORMANCE ASSURANCE WEEKLY REPORT

FOR WEEK ENDING 12 July 2000

Accomplishments Last Week

1. Moving towards completion of A-109 T/V Testing and removal from the chamber.
Working with team to complete items relevant to the PSR and DD250 processing.
2. F/AR 225, DRO, Channel 8, P/N 1336610-8, S/N 85074

The DRO was sent to Filtronic for troubleshooting/rework.

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A1						
Machine Subassy						
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						EMI Vibration Temp. Cycle Momentum
Scheduled Env. Test & Calibraton Tasks						Thermal VAC Calibration
Final CPT						
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	
Storage Test			Completed			

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A2						
Machine Subassy	→	→	→	→	→	→
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						
Scheduled Env. Test & Calibraton Tasks						
Final CPT	→	→	→	→	→	→
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	Storage
Storage Test				Completed 10 May		

SUPPLIER SPARE KIT STATUS

SUPPLIER	DESCRIPTION	SPARE PART KIT IDENTIFIER	P.O. NUMBER	DUE DATE	TRACE ID
Filtronic Solid State	VCGDO & Stable Oscillator Spare Part Kit	1348351-1-SPKIT 1336610-XX-SPKIT	A83000	TBD	Kit at Supplier until completion of DRO 7 & 8 rework
Spacek, Inc.	Mixer Amplifier Spare Part Kit	1331562-XX-SPKIT	P58101	Received	L00051634
Amplica	IF Amplifier Spare Part Kit	1331579-SPKIT	P85128	Received	L00052350
FEI	DC/DC Converter Spare Part Kit	1356010-1-SPKIT	P85129	Received	L00054587
Phonon Corp.	Saw Filter Spare Part Kit	1331576-X-SPKIT	P82998	Received	
AXSYS	Motor Spare Part Kit	1331392-1-SPKIT 1336481-1-SPKIT	P85116	Received	
Millitech	Gunn Diode Spare Part Kit	1336610-10-SPKIT	A00892	Received	L0052079

AMSU-A PERFORMANCE ASSURANCE WEEKLY REPORT FOR WEEK ENDING 19 July 2000

Accomplishments Last Week

1. Continuing to support the completion activities for the A1-109 Unit. Working with Production Control to complete the As-Built Report.
2. F/AR 227, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

Received E-mail from NASA PCB representative (T. Duffy) indicating he completed review of our report summarizing analysis of the anomalous wirewound resistor removed from the Temp "B" CCA. He concurred with our conclusion that other installed parts from the same lot do not pose a significant reliability risk. However, he did want us to proceed with analysis of five additional resistors from the same lot (LCD 9673). The five samples have been pulled from stock and sent to Hi-Rel Labs.

3. F/AR 229, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

F/AR finalized and routed for review/comment. The Channel 7 reduced counts anomaly was caused by a faulty Channel 7 DRO (S/N 85017). Analysis of the DRO is being addressed on F/AR 230.

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A1						
Machine Subassy						
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						EMI, Vibration, Temp Cycle, Momentum, Calibration,
Scheduled Env. Test & Calibraton Tasks						
Final CPT						
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	
Storage Test			Completed			

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A2						
Machine Subassy	↓	↓	↓	↓	↓	↓
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						
Scheduled Env. Test & Calibraton Tasks						
Final CPT						
PSR	↓	↓	↓	↓	↓	↓
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	Storage
Storage Test				Completed 10 May		

SUPPLIER SPARE KIT STATUS

SUPPLIER	DESCRIPTION	SPARE PART KIT IDENTIFIER	P.O. NUMBER	DUE DATE	TRACE ID
Filtronic Solid State	VCGDO & Stable Oscillator Spare Part Kit	1348351-1-SPKIT	A83000	TBD	Kit at Supplier until completion of DRO 7 & 8 rework
		1336610-XX-SPKIT			
Spacek, Inc.	Mixer Amplifier Spare Part Kit	1331562-XX-SPKIT	P58101	Received	L00051634
Amplica	IF Amplifier Spare Part Kit	1331579-SPKIT	P85128	Received	L00052350
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Phonon Corp. AXSYS	Saw Filter Spare Part Kit	1331576-X-SPKIT	P82998	Received	
	Motor Spare Part Kit	1331392-1-SPKIT 1336481-1-SPKIT	P85116	Received	
Millitech	Gunn Diode Spare Part Kit	1336610-10-SPKIT	A00892	Received	L0052079

AMSU-A PERFORMANCE ASSURANCE WEEKLY REPORT

FOR WEEK ENDING 26 July 2000

Accomplishments Last Week

1. Supported the installation of the A1 109 into the shipping container and the resolution of the MRB action on the reflector cover. Working to complete the As-Built Report by 1 August.

2. F/AR 227, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

Final F/AR completed except for results of Hi-Rel Labs analysis of five additional wirewound resistor samples.

3. F/AR 229, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

F/AR signed and submitted to NASA.

4. F/AR 233, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

F/AR initiated to address out-of-spec linearity on Channels 6, 7, and 9 through 15. Waiver request CCR No. 8136 generated/submitted. Final F/AR completed and submitted to NASA.

5. F/AR 234, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

F/AR initiated to address out-of-spec calibration accuracy for the secondary PLO on Channels 10, 11 and 12. Waiver request CCR No. 8136 generated/submitted. Final F/AR completed and submitted to NASA.

6. F/AR 235, METSAT/AMSU-A1, P/N 1331720-3, S/N 109

F/AR initiated to address dislodged floating insert on upper motor mount panel. IR No. 104845 generated and dispositioned to accept shipping configuration "as is" (without use of dislodged insert and captive screw; but with potting of the insert to prevent it from coming out). Final F/AR completed and submitted to NASA.

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A1						
Machine Subassy						
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						EMI, Vibration, Temp Cycle, Momentum, Calibration,
Scheduled Env. Test & Calibraton Tasks						
Final CPT						
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	
Storage Test			Completed			

AMSU-A INSTRUMENT STATUS

INSTRUMENT	S/N 202	S/N 105	S/N 106	S/N 107	S/N 108	S/N 109
A2						
Machine Subassy	↓	↓	↓	↓	↓	↓
Antenna Subassy						
System Integration						
PER						
Completed Env. Test & Calibraton Tasks						
Scheduled Env. Test & Calibraton Tasks						
Final CPT		↓	↓	↓	↓	↓
PSR						
Shipping Configuration	Shipped	Shipped	Storage	Storage	Storage	Storage
Storage Test			Completed 26 Jul	Completed 10 May		

SUPPLIER SPARE KIT STATUS

SUPPLIER	DESCRIPTION	SPARE PART KIT IDENTIFIER	P.O. NUMBER	DUE DATE	TRACE ID
Filtronic Solid State	VCGDO & Stable Oscillator Spare Part Kit	1348351-1-SPKIT 1336610-XX-SPKIT	A83000	31 Aug'00	Kit at Supplier until completion of DRO 7 & 8 rework
Spacek, Inc.	Mixer Amplifier Spare Part Kit	1331562-XX-SPKIT	P58101	Received	L00051634
Amplica	IF Amplifier Spare Part Kit	1331579-SPKIT	P85128	Received	L00052350
FEI	DC/DC Converter Spare Part Kit	1356010-1-SPKIT	P85129	Received	L00054587
Phonon Corp.	Saw Filter Spare Part Kit	1331576-X-SPKIT	P82998	Received	
AXSYS	Motor Spare Part Kit	1331392-1-SPKIT 1336481-1-SPKIT	P85116	Received	
Millitech	Gunn Diode Spare Part Kit	1336610-10-SPKIT	A00892	Received	L0052079

Section 7

CONFIGURATION MANAGEMENT STATUS REPORT (CDRL 203)

Section 7

CONFIGURATION MANAGEMENT STATUS REPORT (CDRL 203)

During this reporting period no drawings were released and submitted to NASA by Configuration Management.

No Deviations or Waivers were generated during this reporting period. Deviations/ Waivers are shown in the Table below.

DEVIATION/WAIVER STATUS						
DEV/ WAV	DATE	TITLE	PART NAME	PART NO.	EFF	STATUS
W001	08/14/95	Alt Vendor Cert	Brushless Mtr A1 Brushless Mtr A2 Resolver	1313921-1/ 1333648-1/ 1331529-1	105-Up/202-Up	Disappvd 9/25/95
D001	09/29/97	Conformal Coating	Circuit Card Assemblies	Various	All CCA's	Resubmit as Rev.A
D001A	11/11/97	Conformal	Circuit Card	Various	All CCA's	Cancelled

Configuration Management issued no Engineering Change Notices (ECN) as shown in Table X.

Report 10300-83
August 2000

[illegible]

Section 8

DOCUMENT / DATA MANAGEMENT STATUS REPORT

Section 8

DOCUMENT/DATA MANAGEMENT STATUS REPORT

8.1 July Submittals. During this reporting period. Data Management Contract Documentation Requirements Listings (CDRLs) and one non-CDRL as shown in Table XI.

Table XI July Document Submittal

CDRL No.	Description	Due to NASA	Submitted to NASA
Jul-00			
32	PSR Data Pkg-Bk2, Rpt 11280	08/01/00	07/31/00
203	Configuration Management Status Rpt (Included in CDRL 529)	07/14/00	07/12/00
204	Performance Assurance Status Report (Included in CDRL 529)	07/14/00	07/12/00
207	Engineering Test Reports: Rpt 11663	08/01/00	07/31/00
208	Performance Verification Reports: Rpt 11668	07/27/00	07/26/00
	Rpt 11669	07/25/00	07/24/00
	Rpt 11491	08/01/00	07/31/00
211	Problem/Failure Rpt Close-Out: F/ARs 212A & 228	07/07/00	07/06/00
	F/AR 229	07/27/00	07/26/00
	F/AR 233, 234 & 235	07/31/00	07/28/00
503	Weight/Power Budgets (Included in CDRL 529)	07/14/00	07/12/00
509	Approved or Controlled Dwgs	Monthly	07/06/00
512	Config. Change Reg., CCR-8136	07/27/00	07/26/00
521	Weekly Status Report	Weekly	7/7, 7/14, 7/21 & 7/28/00
523	Performance Measurement Status Report (Included in CDRL 534)	07/24/00	07/19/00
526	Accpt Data Pkg, S/N 109/A1, V.2-3	07/27/00	07/26/00
529	Reports of Work (Mo Status Rpt)	07/14/00	07/12/00
534	Mo./Qtly. Financial Mgmt. Report (NASA Fm. 533M/533Q)	07/24/00	07/19/00

8.1 Schedules Submittals. In accordance with the EOS METSAT Master CDRL, the CDRL items listed in Table XII will be submitted to NASA during the months of August and September 2000.

Table XII August Document Submittal

CDRL No.	Description	Due to NASA	Submitted to NASA
Aug-00			
32	PSR Data Pkg-Bk1, Rpt 11280	08/03/00	08/02/00
203	Configuration Management Status Rpt (Included in CDRL 529)	08/14/00	
204	Performance Assurance Status Report (Included in CDRL 529)	08/14/00	
211	Problem/Failure Rpt Close-Out: F/AR-227	08/02/00	08/01/00
215	Trend Data, Rpt 11672	08/02/00	08/02/00
222	Calib Data S/N 109/A1, Rpt 11667	08/03/00	08/02/00
503	Weight/Power Budgets (Included in CDRL 529)	08/14/00	
518	Indentured Drawing Lists: S/N 109/A1, Rpt. 11859		
521	Weekly Status Report	Weekly	08/03/00
523	Performance Measurement Status Report (Included in CDRL 534)	08/28/00	
525	As-Built Matl List, S/N 109/A1	08/03/00	08/02/00
526	Acpt Data Pkg,S/N 109/A1,V.1,4-5	08/03/00	08/02/00
527	As-Des Pts List (EEE),Rpt 10385D	08/03/00	08/02/00
529	Reports of Work (Mo Status Rpt)	08/14/00	
534	Mo./Qtly. Financial Mgmt. Report (NASA Fm. 533M/533Q)	08/28/00	
None	Calibration Log Books:	08/03/00	08/02/00

Table XII September Document Submittal

CDRL No.	Description	Due to NASA	Submitted to NASA
Sep-00			
203	Configuration Management Status Rpt (Included in CDRL 529)	09/14/00	
204	Performance Assurance Status Report (Included in CDRL 529)	09/14/00	
503	Weight/Power Budgets (Included in CDRL 529)	09/14/00	
521	Weekly Status Report	Weekly	
523	Performance Measurement Status Report (Included in CDRL 534)	09/25/00	
529	Reports of Work (Mo Status Rpt)	09/14/00	
534	Mo./Qtly. Financial Mgmt. Report (NASA Fm. 533M/533Q)	09/25/00	

APPENDIX A

AMSU-A 90 DAY WINDOW SCHEDULE

AMSU-A 90 DAY WINDOW SCHEDULE

ID	Name	Act ID	Cost Acct	Jun '00	Jul '00	Aug '00	Sep '00
6366	S/N 109 A1 Environmental Test & Shipping Config			29 05 12 19 26	03 10 17 24	31 07 14 21	04 11 18 25
6367	S/N 109 A1 Instrument Environmental Accept Test	21	03-7350		07/25		
6383	S/N 109 A1 Setup, Pre-Calib T/V Cycle, Primary Calib	9560			07/21		
6396	Calibration Retest			05	07/13		
6397	Final CPT (Primary Calibration)	7816	03-7350		07/15 07/19		
6398	Data Review (Calibration)	387	03-7350		07/20 07/21		
6399	S/N 109 A1 Final Assy	7813	03-7350		07/15		
6402	Weight & CG	7814	03-7350		07/13 07/14		
6403	Measure/ & Machine Isolation Pads (if required)	7815	03-7350		07/15 07/15		
6404	S/N 109 A1 Shipping Config	1	03-7350		07/15 07/25		
6405	Kit Release A1 Shipping Config	74	03-7350		07/22 07/23		
6406	Clean Shipping Container	73	03-7350		07/24 07/24		
6407	Inspect & Purge Shipping Container	70	03-7350		07/24 07/24		
6408	Clean Instrument	7817	03-7350		07/15 07/24		
6409	Inspect Instrument for Cleanliness	7818	03-7350		07/25 07/25		
6410	Load Unit In Shipping Container (Witness)	69	03-7350		07/25 07/25		
6411	Seal & Inspect Shipping Container	68	03-7350		07/25 07/25		
770	SYSTEMS ENGINEERING & INTEGRATION TEAM	4301				08/28	
1343	METSAT/ METOP SPACECRAFT INTERFACE	4899	02-1500			08/28	
1354	METOP SPACECRAFT MEETINGS	4911	02-1500			08/28	
1361	7TH MEETING	4917	02-1515		07/12		
1362	8TH MEETING	4918	02-1515			08/28	
4394	S/N 106 A1 Instrument Storage & Maintenance	9569	14-1609,NT				
4395	Store Unit in Bldg 57 (N)	9570	14-1609				
4619	S/N 106 A2 Instrument Storage & Maint.						
4620	Store Unit in Bldg. 57 (N)	9671					
4621	Instrument Storage Test (N)	9672			07/19 07/19		

AMSU-A 90 Day Window Schedule

Line#	Name	June							July							August							September				
		29	5	12	19	26	3	10	17	24	31	7	14	21	28	4	11	18	25								
5215	S/N 107 A2 Instrument Storage & Maintenance																										
5216	Store Unit in Bldg 57 (N)																										
5219	S/N 108 A1 Instrument Storage & Maintenance																										
5220	Store Unit In Bldg 57 (N)																										
6304	S/N 108 A2 Instrument Storage & Maintenance																										
6305	Store Unit In Bldg 57 (N)																										
6412	Ship Final CPT 109 A1 PSR Data Package																										
6413	Accept Tag & Documentation 109 A1(N)																										
6414	109 A1 PSR																										
6415	Unit To Temporary Storage																										
6416	S/N 109 A1 Red Time (Schedule Reserve)																										
6417	S/N 109 A1 DD250 Date (Contract Date 8/1/00) (Shipped In Place)																										
6418	S/N 109 A1 Pre Ship Review																										
6747	S/N 109 SYSTEM TEST PREP & SUPPORT																										
6770	PREPARE A1 CALIBRATION LOG BOOK																										

MET FLIGHT 4 AMSU-A INSTRUMENT FLOAT ANALYSIS REPORT - JULY 2000

UNITS & SUBASSYS	COMPLETION DATES		FLOAT			SCHEDULE DRIVER/COMMENTS
	BASELINE 12/01/1997	FORECAST /ACTUAL	BASELINE 12/01/1997	LAST MONTH	THIS MONTH	
S/N 108 AMSU-A1 INSTRUMENT						
INSTRUMENT DELIVERY	03/30/2000	06/14/2000	0	0	0	COMPLETE
PRE-PLANNED SCHEDULE RESERVE	03/29/2000	06/13/2000	65	-11	0	COMPLETE
PSR	12/21/1999	06/13/2000	0	NA	NA	COMPLETE
SHIPPING CONFIGURATION	12/19/1999	3/9/00Act	2	NA	NA	COMPLETE
SYSTEM INTEGRATION & TEST	11/28/1999	3/3/00Act	0	NA	NA	COMPLETE
ANTENNA ASSEMBLY	02/18/1999	5/7/99Act	0	NA	NA	COMPLETE
SIGNAL PROCESSOR ASSY	03/16/1999	10/21/98Act	0	NA	NA	COMPLETE
PREAMP DETECTOR ASSY	05/26/1999	3/25/98Act	0	NA	NA	COMPLETE
DC/DC CONVERTER (FEI)	03/15/1999	11/25/98Act	0	NA	NA	COMPLETE
A1-1 RECEIVER ASSY	05/04/1999	5/27/99Act	0	NA	NA	COMPLETE
DROs (Litton)	10/27/1998	8/11/98Act	0	NA	NA	COMPLETE
PLO ASSYS	10/27/1998	1/21/99Act	0	NA	NA	COMPLETE
A1-2 RECEIVER ASSY	02/25/1999	3/16/99Act	0	NA	NA	COMPLETE
DROs (Litton)	12/09/1998	8/11/98Act	0	NA	NA	COMPLETE
S/N 106 AMSU-A2 INSTRUMENT						
INSTRUMENT DELIVERY	07/01/1999	12/22/1999	0	0	0	COMPLETE
PRE-PLANNED SCHEDULE RESERVE	06/30/1999	12/21/1999	59	67	67	COMPLETE
PSR	04/07/1999	10/27/99Act	0	NA	NA	COMPLETE
SHIPPING CONFIGURATION	04/05/1999	10/20/99Act	0	NA	NA	COMPLETE
SYSTEM INTEGRATION & TEST	03/22/1999	10/11/99Act	0	NA	NA	COMPLETE
ANTENNA ASSEMBLY	07/20/1998	4/16/98Act	0	NA	NA	COMPLETE
SIGNAL PROCESSOR ASSY	08/11/1998	5/28/98Act	0	NA	NA	COMPLETE
PREAMP DETECTOR ASSY	6/2/97Act	6/2/97Act	NA	NA	NA	COMPLETE
DC/DC CONVERTER (FEI)	08/17/1998	8/17/98Act	0	NA	NA	COMPLETE
A2 RECEIVER ASSY	10/06/1998	9/3/98Act	0	NA	NA	COMPLETE
DROs (Litton)	08/12/1998	5/8/98Act	0	NA	NA	COMPLETE
						(NO CHANGES FOR JULY 2000)

MET FLIGHT 5 AMSU-A INSTRUMENT FLOAT ANALYSIS REPORT - JULY 2000

UNITS & SUBASSYS							SCHEDULE DRIVER/COMMENTS		
COMPLETION DATES	FLOAT			BASELINE 12/01/1997	LAST MONTH	THIS MONTH			
	BASELINE 12/01/1997	FORECAST /ACTUAL							
S/N 109 AMSU-A1 INSTRUMENT									
INSTRUMENT DELIVERY	08/01/2000	08/01/2000	0	0	1				
PRE-PLANNED SCHEDULE RESERVE	07/31/2000	07/31/2000	63	11	11				
PSR	05/01/2000	08/15/2000	0	14	12				
SHIPPING CONFIGURATION	04/26/2000	07/25/00Act	1	NA	NA	COMPLETE			
SYSTEM INTEGRATION & TEST	04/05/2000	07/13/00Act	0	NA	NA	COMPLETE			
ANTENNA ASSEMBLY	06/29/1999	6/23/99Act	0	NA	NA	COMPLETE			
SIGNAL PROCESSOR ASSY	06/22/1999	11/12/98Act	0	NA	NA	COMPLETE			
PREAMP DETECTOR ASSY	10/07/1999	3/25/98Act	0	NA	NA	COMPLETE			
DC/DC CONVERTER (FEI)	07/21/1999	2/26/99Act	0	NA	NA	COMPLETE			
A1-1 RECEIVER ASSY	08/26/1999	6/7/99Act	0	NA	NA	COMPLETE			
DROs (Litton)	05/12/1999	8/11/98Act	0	NA	NA	COMPLETE			
PLO ASSYs	04/29/1999	4/21/99Act	0	NA	NA	COMPLETE			
A1-2 RECEIVER ASSY	09/15/1999	5/28/99Act	0	NA	NA	COMPLETE			
DROs (Litton)	07/01/1999	8/31/98Act	0	NA	NA	COMPLETE			
S/N 108 AMSU-A2 INSTRUMENT									
INSTRUMENT DELIVERY	08/01/2000	06/14/2000	0	0	0	COMPLETE			
PRE-PLANNED SCHEDULE RESERVE	07/31/2000	07/31/2000	111	37	33	COMPLETE			
PSR	10/13/1999	06/13/00Act	0	NA	NA	COMPLETE			
SHIPPING CONFIGURATION	10/11/1999	03/06/00Act	5	NA	NA	COMPLETE			
SYSTEM INTEGRATION & TEST	09/27/1999	02/28/00Act	0	NA	NA	COMPLETE			
ANTENNA ASSEMBLY	01/11/1999	3/1/99Act	0	NA	NA	COMPLETE			
SIGNAL PROCESSOR ASSY	02/16/1999	10/15/98Act	0	NA	NA	COMPLETE			
PREAMP DETECTOR ASSY	6/2/97Act	6/2/97Act	NA	NA	NA	COMPLETE			
DC/DC CONVERTER (FEI)	02/22/1999	12/7/98Act	0	NA	NA	COMPLETE			
A2 RECEIVER ASSY	04/13/1999	12/7/98Act	0	NA	NA	COMPLETE			
DROs (Litton)	02/18/1999	8/11/98Act	0	NA	NA	COMPLETE			

**July '00 Monthly Analysis
SEIT Team**

Current Status

EOS S/N 202 A1 has been delivered.
EOS S/N 202 A2 has been delivered.
METSAT S/N 105 A1 has been delivered.
METSAT S/N 105 A2 has been delivered.
METSAT S/N 106 A1 has been delivered.
METSAT S/N 107 A2 has been delivered.
METSAT S/N 107 A1 has been delivered.
METSAT S/N 109 A2 has been delivered.
METSAT S/N 106 A2 has been delivered.
METSAT S/N 108 A1 has been delivered.
METSAT S/N 108 A2 has been delivered.
METSAT S/N 109 A1 completed and in shipping container.

Major Float Changes


None.

Existing Problem Areas

None.

Potential Problem Areas

None.

 NASA National Aeronautics and Space Administration		Report Documentation Page	
1. Report No. ---	2. Government Accession No. ---	3. Recipient's Catalog No. ---	
4. Title and Subtitle Integrated Advanced Microwave Sounding Unit-A (AMSU-A), Monthly Report for July 2000		5. Report Date August 2000	
		6. Performing Organization Code ---	
7. Author(s) A. Nieto		8. Performing Organization Report No. 10300-83	
		10. Work Unit No. ---	
9. Performing Organization Name and Address Aerojet 1100 W. Hollyvale Azusa, CA 91702		11. Contract or Grant No. NAS 5-32314	
		13. Type of Report and Period Covered Monthly	
12. Sponsoring Agency Name and Address NASA Goddard Space Flight Center Greenbelt, Maryland 20771		14. Sponsoring Agency Code ---	
15. Supplementary Notes ---			
16. ABSTRACT (Maximum 200 words) This is the Monthly Report for the Integrated Advanced Microwave Sounding Unit-A (AMSU-A).			
17. Key Words (Suggested by Author(s)) EOS Microwave System		18. Distribution Statement Unclassified --- Unlimited	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of pages	22. Price ---

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Block 10. Work Unit No. Provide Research and Technology Objectives and Plants (RTOP) number.

Block 11. Contract or Grant No. Provide when applicable.

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Block 15. Supplementary Notes. Information not included

elsewhere: affiliation of authors if additional space is required for Block 9, notice of work sponsored by another agency, monitor of contract, information about supplements (file, data tapes, etc.) meeting site and date for presented papers, journal to which an article has been submitted, note of a report made from a thesis, appendix by author other than shown in Block 7.

Block 16. Abstract. The abstract should be informative rather than descriptive and should state the objectives of the investigation, the methods employed (e.g., simulation, experiment, or remote sensing), the results obtained, and the conclusions reached.

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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE	3. REPORT TYPE AND DATES COVERED	
4. TITLE AND SUBTITLE Integrated Advanced Microwave Sounding Unit-A (AMSU-A), Monthly Report for July 2000			5. FUNDING NUMBERS NAS 5-32314	
6. AUTHOR(S) A. Nieto				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Aerojet 1100 W. Hollyvale Azusa, CA 91702			8. PERFORMING ORGANIZATION REPORT NUMBER 10300-83 August 2000	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) NASA Goddard Space Flight Center Greenbelt, Maryland 20771			10. SPONSORING/MONITORING AGENCY REPORT NUMBER ---	
11. SUPPLEMENTARY NOTES ---				
12a. DISTRIBUTION/AVAILABILITY STATEMENT ---			12b. DISTRIBUTION CODE ---	
13. ABSTRACT (Maximum 200 words) This is the Monthly Report for the Integrated Advanced Microwave Sounding Unit-A (AMSU-A).				
14. SUBJECT TERMS EOS Microwave System			15. NUMBER OF PAGES ---	
16. PRICE CODE ---				
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT SAR	

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Block 3. Type of Report and Dates Covered. State whether report is interim, final, etc. If applicable, enter inclusive report dates (e.g., 10 Jun 87 - 30 Jun 88).

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Block 5. Funding Numbers. To include contract and grant numbers; may include program element number(s), project number(s), task number(s), and work unit number(s). Use the following labels:

C	-	Contract	PR	-	Project
G	-	Grant	TA	-	Task
PE	-	Program Element	WU	-	Work Unit Accession No.

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3.1.1 Program Review Status

~~Completed Pre Ship Review for 108A1 and A2. The only~~ ^{completed} ~~remaining instrument, 109 A1, is in calibration. Delivered first~~ ^{ADD IS READY} ~~European shipset and performed successful Bench Acceptance~~
~~Test.~~
~~FOR IT'S PRE SHIP REVIEW SCHEDULED FOR~~
~~8/15/00~~

3.1.2 Program Priority List for the Month of ^{JULY} June

1. ~~Maintain support for in-house production (integration and~~
~~test) activities.~~
2. Support TRW, Lockheed-Martin and Europeans on spacecraft integration tasks.
- 2 3. Complete checkout of spare components. ^{VISITED}
^{FILTRONICS AND SPARES ARE NOW}
^{BEING WORKED. ONLY OPEN ITEM IS}
^{PERFORMANCE OF -8.}
^{MAINTAINED/}
3. RETEST HARDWARE LOCATED AT AEROST
AS REQUIRED

AEROJET

Award Fee/Customer Delight Requirements/Criteria for Current Period

- Current Period 1 Jan 00 - 30 Jun 00 (Want to Extend to Production Completion - ECD August 00)
- Current Milestones
 - Events: 3 for the Period
 - All Relate to Spare Hardware
 - Issues with Completions Due to Priorities, ^{-8 ONLY OPEN ISSUE, current-1}
- Critical Items
 - METSAT 4 A1 and A2 Complete
 - METSAT 5 A2 Complete, A1 In T/V
- Technical/Schedule/Cost
 - No Open Technical Issues
 - Cost Variance Positive
 - Schedule Variance Positive

MET FLIGHT 4 AMSU-A INSTRUMENT FLOAT ANALYSIS REPORT - JULY 2000									
		COMPLETION DATES		FLOAT			SCHEDULE DRIVER/COMMENTS		
		BASELINE 12/01/1997	FORECAST /ACTUAL	BASELINE 12/01/1997	LAST MONTH	THIS MONTH			
UNITS & SUBASSYS									
S/N 108 AMSU-A1 INSTRUMENT									
INSTRUMENT DELIVERY		03/30/2000	06/14/2000	0	0	0	COMPLETE		
PRE-PLANNED SCHEDULE RESERVE		03/29/2000	06/13/2000	65	-11	0	COMPLETE		
PSR		12/21/1999	06/13/2000	0	NA	NA	COMPLETE		
SHIPPING CONFIGURATION		12/19/1999	3/9/00Act	2	NA	NA	COMPLETE		
SYSTEM INTEGRATION & TEST		11/28/1999	3/3/00Act	0	NA	NA	COMPLETE		
ANTENNA ASSEMBLY		02/18/1999	5/7/99Act	0	NA	NA	COMPLETE		
SIGNAL PROCESSOR ASSY		03/16/1999	10/21/98Act	0	NA	NA	COMPLETE		
PREAMP DETECTOR ASSY		05/26/1999	3/25/98Act	0	NA	NA	COMPLETE		
DC/DC CONVERTER (FEI)		03/15/1999	11/25/98Act	0	NA	NA	COMPLETE		
A1-1 RECEIVER ASSY		05/04/1999	5/27/99Act	0	NA	NA	COMPLETE		
DROs (Litton)		10/27/1998	8/11/98Act	0	NA	NA	COMPLETE		
PLO ASSYS		10/27/1998	1/21/99Act	0	NA	NA	COMPLETE		
A1-2 RECEIVER ASSY		02/25/1999	3/16/99Act	0	NA	NA	COMPLETE		
DROs (Litton)		12/09/1998	8/11/98Act	0	NA	NA	COMPLETE		
S/N 106 AMSU-A2 INSTRUMENT									
INSTRUMENT DELIVERY		07/01/1999	12/22/1999	0	0	0	COMPLETE		
PRE-PLANNED SCHEDULE RESERVE		06/30/1999	12/21/1999	59	67	67	COMPLETE		
PSR		04/07/1999	10/27/99Act	0	NA	NA	COMPLETE		
SHIPPING CONFIGURATION		04/05/1999	10/20/99Act	0	NA	NA	COMPLETE		
SYSTEM INTEGRATION & TEST		03/22/1999	10/11/99Act	0	NA	NA	COMPLETE		
ANTENNA ASSEMBLY		07/20/1998	4/16/98Act	0	NA	NA	COMPLETE		
SIGNAL PROCESSOR ASSY		08/11/1998	5/28/98Act	0	NA	NA	COMPLETE		
PREAMP DETECTOR ASSY		6/2/97Act	6/2/97Act	NA	NA	NA	COMPLETE		
DC/DC CONVERTER (FEI)		08/17/1998	8/17/98Act	0	NA	NA	COMPLETE		
A2 RECEIVER ASSY		10/06/1998	9/3/98Act	0	NA	NA	COMPLETE		
DROs (Litton)		08/12/1998	5/8/98Act	0	NA	NA	COMPLETE		
							(NO CHANGES FOR JULY 2000)		

MET FLIGHT 5 AMSU-A INSTRUMENT FLOAT ANALYSIS REPORT - JULY 2000

UNITS & SUBASSYS	COMPLETION DATES		FLOAT			SCHEDULE DRIVER/COMMENTS
	BASELINE 12/01/1997	FORECAST /ACTUAL	BASELINE 12/01/1997	LAST MONTH	THIS MONTH	
S/N 109 AMSU-A1 INSTRUMENT						
INSTRUMENT DELIVERY	08/01/2000	08/01/2000	0	0	1	
PRE-PLANNED SCHEDULE RESERVE	07/31/2000	07/31/2000	63	11	11	
PSR	05/01/2000	08/15/2000	0	14	12	
SHIPPING CONFIGURATION	04/26/2000	07/25/00Act	1	NA	NA	COMPLETE
SYSTEM INTEGRATION & TEST	04/05/2000	07/13/00Act	0	NA	NA	COMPLETE
ANTENNA ASSEMBLY	06/29/1999	6/23/99Act	0	NA	NA	COMPLETE
SIGNAL PROCESSOR ASSY	06/22/1999	11/12/98Act	0	NA	NA	COMPLETE
PREAMP DETECTOR ASSY	10/07/1999	3/25/98Act	0	NA	NA	COMPLETE
DC/DC CONVERTER (FEI)	07/21/1999	2/26/99Act	0	NA	NA	COMPLETE
A1-1 RECEIVER ASSY	08/26/1999	6/7/99Act	0	NA	NA	COMPLETE
DROs (Litton)	05/12/1999	8/11/98Act	0	NA	NA	COMPLETE
PLO ASSYS	04/29/1999	4/21/99Act	0	NA	NA	COMPLETE
A1-2 RECEIVER ASSY	09/15/1999	5/28/99Act	0	NA	NA	COMPLETE
DROs (Litton)	07/01/1999	8/31/98Act	0	NA	NA	COMPLETE
S/N 108 AMSU-A2 INSTRUMENT						
INSTRUMENT DELIVERY	08/01/2000	06/14/2000	0	0	0	COMPLETE
PRE-PLANNED SCHEDULE RESERVE	07/31/2000	07/31/2000	111	37	33	COMPLETE
PSR	10/13/1999	06/13/00Act	0	NA	NA	COMPLETE
SHIPPING CONFIGURATION	10/11/1999	03/06/00Act	5	NA	NA	COMPLETE
SYSTEM INTEGRATION & TEST	09/27/1999	02/28/00Act	0	NA	NA	COMPLETE
ANTENNA ASSEMBLY	01/11/1999	3/1/99Act	0	NA	NA	COMPLETE
SIGNAL PROCESSOR ASSY	02/16/1999	10/15/98Act	0	NA	NA	COMPLETE
PREAMP DETECTOR ASSY	6/2/97Act	6/2/97Act	NA	NA	NA	COMPLETE
DC/DC CONVERTER (FEI)	02/22/1999	12/7/98Act	0	NA	NA	COMPLETE
A2 RECEIVER ASSY	04/13/1999	12/7/98Act	0	NA	NA	COMPLETE
DROs (Litton)	02/18/1999	8/11/98Act	0	NA	NA	COMPLETE